GE
Lighting Solutions

GEH-5729D
INSTRUCTIONS

Dimension™ DMA (Arm)

READ THOROUGHLY BEFORE INSTALLING

WARNING

Risk of electric shock
- Turn power off before servicing – see instructions

GENERAL

This luminaire is designed for outdoor lighting applications, and should not be used in areas of limited ventilation, or in high ambient temperature enclosures; it should be installed and maintained according to following recommendations.

UNPACKING

This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm.

INSTALLATION

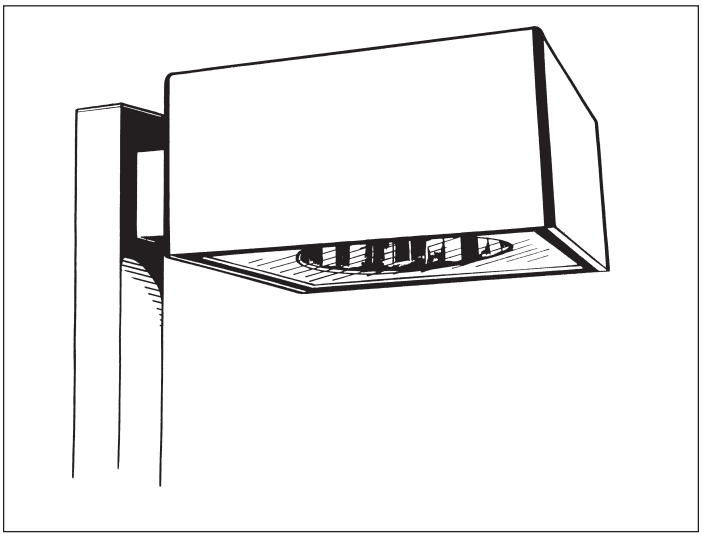
Reflector Rotation: Reflectors may be rotated such that socket is in any of four positions. This allows for variations in beam aiming. In order to rotate the reflector the following procedure should be followed.

1. Rotation is best accomplished before mounting the luminaire on pole.
2. Note the rear edge of reflector position with respect to hinges (edge inserted into hinge pocket). Access reflector by loosening reflector plate to main housing screw and allowing reflector plate assembly to lie on door assembly. It is not necessary to detach tether.
3. Remove four screws which attach reflector to reflector plate.
4. Rotate reflector to desired position, being careful not to twist socket lead wires. For type VT3, do not aim street side toward the pole.
5. Reattach reflector by re-inserting four screws.
6. Reposition reflector plate by inserting rear edge of plate into hinge pocket and attach plate to main housing with screw.

MOUNTING

CAUTION

Unit will fall if not installed properly
- Follow installation instructions



NOTE: Power leads should be pulled as mounting parts are assembled, verifying that leads are free and not pinched. Ballast voltage selection is best accomplished before mounting luminaire. See **Wiring** for instruction.

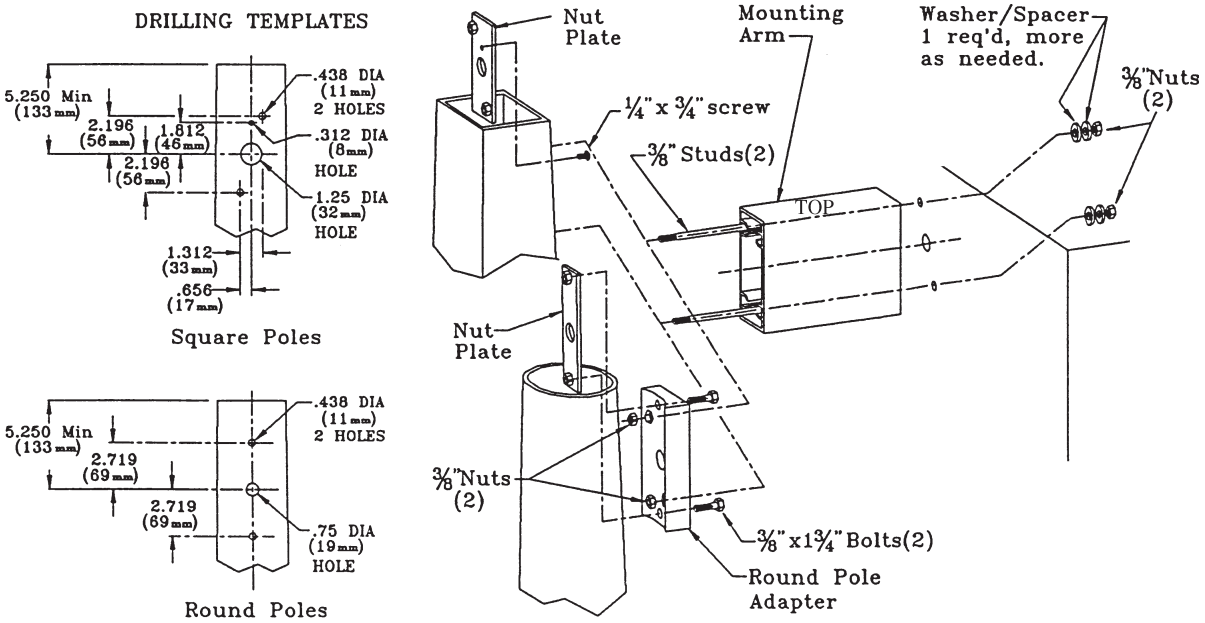
A. ARCHITECTURAL MOUNTING:

(Arm)

1. Install nut plate inside pre-drilled pole with nuts to inside. Secure with screw provided.
2. Install the two (2) studs ensuring that they fully penetrate the nuts on the nut plate.
3. Align upper and lower guides on inside of mounting arm with their respective studs and slide it into place against pole.
4. Open luminaire door by pushing inward on latches while supporting door. Release reflector plate by loosening plate main housing screw and allow plate to hang from tether.
5. Install the luminaire and secure with flat washers and locknuts provided. Align the system as the nuts are tightened.

CAUTION: Ensure that nuts fully engage the two studs. Correct tightening of stud nuts is important to ensure proper function of mounting system. Torque nuts to 18-22 foot pounds.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to GE Lighting Solutions.



B. OTHER MOUNTINGS

External Slipfitters, Knuckle Flat Surface, Knuckle Pole Top and Round Pole Adapters are also available for use with housings machined with a diagonal hole pattern. Installation is similar to the Architectural Mounting.

CAUTION: Do not mount any unit below or greater than 60° above horizontal.

LAMP INSTALLATION

CAUTION

Risk of burn

- Allow lamp/fixture to cool before handling

Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

LAMP TIGHTNESS — The lamp should be securely in-serted to NEMA-EEI specified torque of 35 inch-pounds, which is best achieved by very firmly tightening to insure application of sufficient torque. Tightening must be sufficient to fully depress and load center contact of socket.

WIRING

Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements.

Verify that supply voltage is correct by comparing it to name-plate.

Do not remove insulated connectors from wires not needed for required voltage connection.

Strain relief for incoming power must be provided in the pole top by the customer.

1. Connect supply leads to internal terminal board as shown on wiring tag. Route supply leads through clip provided.

   NOTE: Terminal board will accept supply leads ranging in size from AWG No. 14 through No. 6 (check nameplate for minimum temperature requirement and electrical data).

   NOTE: Do not allow excess wire from supply leads to contact with ballast or optical.

2. Check luminaire nameplate for ballast type, single or multivolt, or multiwatt.

IF SINGLE VOLTAGE — All single voltage ballasts are prewired such that user need only connect the supply conductors.

IF MULTIVOLT — (120/208/240/277 volts) Connect the ballast lead with the insulated terminal to the desired voltage terminal as indicated on the ballast terminal nameplate.

IF MULTIWATT — Multiwatt ballasts are available in various combinations of wattage. See wiring instructions on wiring tag inside the luminaire.

Reattach reflector plate, close door and check for secure latch engagement. Installation is complete.

PHOTOELECTRIC CONTROL (if option present)

Photoelectric control receptacle should be oriented before control is installed. Loosen the two holding screws and rotate receptacle until "North" is directed as near as possible to true North. Tighten holding screws and install control.

MAINTENANCE AND CLEANING

It will occasionally be necessary to clean outside of door glass to maintain light levels. Frequency of cleaning will depend on ambient dirt levels and minimum light level which is acceptable to user. Door glass should be washed in a solution of warm water and any mild, nonabrasive household detergent, rinsed with clean water and wiped dry. Should the optical assembly become dirty on inside, wipe reflector and clean door glass in above manner, and replace any damaged gasket.

The light output of a luminaire is also dependent on age of lamp. In applications where light levels are critical it may be desirable to replace lamps before they burn out. Lamp manufacturer can provide data showing how lamp light output decreases with use.

GE Lighting Solutions is a subsidiary of the General Electric Company. Evolve and other trademarks belong to GE Lighting Solutions. The GE brand and logo are trademarks of the General Electric Company.
© 2011 GE Lighting Solutions. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.

35-201578-P4 (1/08)